Manitoba

Fire Loss Report 1990

Labour

Office of the
Fire Commissioner

Includes 20% post-consumer waste

Manitoba

Fire Loss Report 1990

Labour

Office of the
Fire Commissioner

9

Includes 10% post-consumer waste

93-01655/

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Office of the Fire Commissioner

Through the administration of the Fires Prevention Act (Part II) and The Building and Mobile Homes Act, the Office of the Fire Commissioner promotes and encourages public safety measures to reduce life and property loss by fires.

Specific Objectives:

- Advise, train and certify fire fighters and other persons involved in emergency response activities;
- Train industrial and institutional personnel in fire prevention and protection practices;
- Investigate fires to determine origin, cause and circumstances;
- Conduct fire prevention inspections in high risk occupancies;
- Promote public awareness education;
- Develop and implement provincial, Fire, Building and Plumbing codes;
- Collect and analyze data related to fires.

The needs of Manitoba's fire service are becoming increasingly varied and complex. In order to best meet this challenge, the Office of the Fire Commissioner has streamlined its efforts through a new organizational plan. Following a departmental review, the office has focused on eliminating service overlap and duplications.

The Office now functions under three divisions; Operations, Administration, and Investigations. Operations and Administration are designed to interact and complement one another. Operations provides direct service to clients, while Administration provides technical support. A Deputy Fire Commissioner is responsible for each division and reports directly to the Fire Commissioner.

The goal of these changes is to deliver better service to our clients. Fire services staff now cover a maximum of two Mutual Aid Districts, enabling them to provide a more personal service. Twenty-four hour emergency numbers have been established, in the east 981-FIRE and in the west 726-FIRE. Fire Chiefs may contact the office directly in the event of an emergency or to inititate a fire investigation.

The confidential and sensitive nature of fire investigations requires that the Investigations Division report directly to the Fire Commissioner. Its role is twofold: specialized resources and investigations. Staff provide fire services personnel with development training and assistance which enable them to perform initial investigations in their district. The Investigation Division retains the investigation role in more intricate cases which require its expertise.

Review 1990

Manitoba recorded 32 fire fatalities and 293 fire related injuries in 5,950 fires during 1990. These fires resulted in $73,819,762 in property damage.

Eighteen men, 7 women and 7 children perished in 24 fires. This represents an increase of 10

deaths over the 22 reported in 1989. The number of male adults rose by 5, female adults rose by 4, and children by 1. Twenty-nine of the 32 fatalities occurred in residential occupancies. The presence of alcohol was a contributing factor in 6 or 19 percent of these fatalities.

The number of fires increased by 143 or 2.5 percent over 1989. The monetary loss depicts a more drastic increase of $16.6 million or 29 percent over the $57.2 million reported last year. There were 24 fires which exceeded $500,000 in property damage. This has more than doubled the 11 reported in 1989. Although they account for less than half of one percent of all fires, they were responsible for $30.5 million or 41 percent of the total monetary loss; nearly triple the $10.2 million reported the previous year. Eleven of these fires were concluded as arson or suspected arson and caused $11.2 million in damage. During 1989 there were 4 major losses totalling $4.8 million attributed to the same cause.

Several changes have been made to this year's Fire Loss report, which will assist us to meet the needs of numerous requests.

Tables 15 through 18 address the circumstances surrounding fires which occur in the home. Included in this category are one and two family dwellings, apartments, rooming, boarding houses, as well as mobile homes. Thirty percent or 1,814 fires occurred in the home which resulted in nearly $24.2 million in property damage. Home fires accounted for 29 or 91 percent of all fatalities and 195 or 67 percent of injuries.

During 1990, 32 percent of all fires in the home occurred in the kitchen. These fires also accounted for 45 percent of home fatalities. Twenty-eight percent of these fires can be attributed to cooking equipment as the source of ignition.

The office investigated 321 fires, police officials were involved in an additional 529 investigations to bring the total to 850 for 1990. Of these, 557 were in Winnipeg, 20 were in urban centres and 273 were in rural Manitoba. Accidental fires represented 44 percent or 378 of the total number of investigations conducted, with incendiary, vandalism and undetermined suspicious accounting for 34 percent or 286. Fires classified as undetermined/accidental follow with 184 investigations and 2 incidents remain under investigation.

A new section has been included to address Mutual Aid Activities. Manitoba currently has 17 Mutual Aid Districts in place. This system is based on prearranged reciprocal agreements between municipalities, to help and support one another when confronted with major emergencies. Mutual Aid provides both direct assistance responding to an emergency and backup protection to the remainder of the municipalities in the event that another emergency should arise. Assistance is supplied in various forms; additional fire fighting equipment, specialized rescue equipment or additional personnel. Mutual Aid was activated to respond to 33 emergencies in 1990, nearly double the 18 reported in 1989.

An incentive program has been established to provide additional support to each Mutual Aid District to assist them in becoming more self-sufficient. Hopefully, this plan will be implemented over a five year period. This program includes: grant payments for direct delivery of pre-authorized training to

emergency personnel based on the number of graduating candidates; instructional video tapes to support training in the districts; provisions for programmable radio sets and portable fax machines to enhance communication capabilities; installation of breathing air compressors to provide rural fire departments with a convenient and affordable way to re-charge breathing apparatus. Disbursements to date are outlined in Table No. 22.

'Thanks' are once again in order to the various organizations and agencies which support and assist us in fulfilling our responsibilities. All staff look forward to continuing this excellent working relationship with our clients.

Section I - Fire Loss Statistics

Table No. 1
Comparative Fire Losses,
1986 - 1990

Year	Incidents	Amount	Fatalities	Injuries
1986	5,873	$ 54,789,044	33	268
1987	6,032	50,352,484	26	296
1988	7,032	61,243,728	30	306
1989	5,807	57,248,377	22	257
1990	5,950	73,819,762	32	293

Table No. 2
Fire Losses by Amount of Dollar Loss, 1990

Amount of Dollar Loss					
Minimum	Maximum	Incidents	Percent	Amount	Percent
Less than	100.00	2,422	40.71%	$ 9,197	.01%
100.00 to	999.99	1,432	24.07	458,720	.62
1,000.00 to	9999.99	1,309	22.00	4,190,850	5.68
10,000.00 to	49,999.99	525	8.82	12,053,100	16.33
50,000.00 to	249,999.99	219	3.68	20,282,894	27.48
250,000 and greater		43	.72	36,825,001	49.88
Total		5,950	100.00%	$ 73,819.762	100.00%

Table No. 3
Comparative Fire Fatalities
1986 - 1990

Year	Incidents	Men	Women	Children[1]	Total Fatalities
1986	25	13	13	7	33
1987	23	15	3	8	26
1988	22	14	4	12	30
1989	20	13	3	6	22
1990	24	18	7	7	32

[1]Fifteen years of age and under

Table No. 4
Fire Fatalities by Property Classification, 1990

Property Classification	Men	Women	Children	Total	Percent
Residential:					
One and Two Family Dwelling	10	3	7	20	62.50%
Apartment, Condominium	-	2	-	2	6.25
Rooming House	4	1	-	5	15.63
Mobile Home	1	1	-	2	6.25
Transport Truck	2	-	-	2	6.25
Outdoor Property	1	-	-	1	3.12
Total	18	7	7	32	100.00%

Table No. 5
Fire Casualties by Age and Sex, 1990

Age	Fatalities			Injuries		
	Firefighters	Male	Female	Firefighter[1]	Male	Female
Birth - 5	-	3	3	-	11	5
6 - 15	-	1	-	-	8	2
16 -25	-	3	-	17	12	9
26 - 35	-	3	1	40	13	13
36 - 45	-	3	1	40	13	6
46 - 55	-	3	-	23	10	6
56 - 65	-	1	3	2	10	6
Over - 65	-	5	2	-	5	7
Unknown	-	-	-	-	30	5
Total	-	22	10	122	112	59

[1]No reported injuries to female firefighters

Table No. 6
Fire Casualties by Act or Omission, 1990

Act or Omission	Fatalities			Injuries			
	Men	Women	Children	Firefighters	Men	Women	Children
Incendiary or Set Fire	1	1	1	36	10	4	3
Misuse of Source of Ignition	2	-	3	11	20	12	9
Misuse of Material Ignited	-	-	-	2	10	1	3
Mechanical Electrical Failure, Malfunction	1	-	3	13	17	8	3
Construction, Design or Installation Deficiency	-	-	-	11	-	-	-
Misuse of Equipment	-	-	-	-	2	-	-
Human Failing	3	2	-	12	23	20	8
Vehicle Accident	2	-	-	-	-	4	-
Undetermined	9	4	-	37	11	3	-
Total	18	7	7	122	93	52	26

Table No. 7

Fire Losses by Major Property Classification, 1990

Property Classification	Incidents	Percent	Amount	Percent	Fatalities	Injuries
ASSEMBLY						
Theatre, Studio, Auditorium	1	.02%	$ -	- %	-	-
Amusement, Recreation Place	9	.15	1,006,200	1.37	-	-
School, College, University	41	.69	616,115	.83	-	3
Church, Court Room, Funeral Parlour	9	.15	242,302	.33	-	3
Social, Sport Club	10	.17	92,557	.13	-	2
Library, Museum	2	.03	1,000	-	-	-
Eating Establishment	35	.59	969,431	1.31	-	4
Passenger Terminal, Station	-	-	-	-	-	-
Miscellaneous	1	.02	820	-	-	-
Sub-total	108	1.82	2,928,425	3.97	-	12
INSTITUTIONAL						
Prison, Jail, Reformatory	9	.15	188,460	.26	-	1
Home for the Aged	11	.18	51,485	.07	-	-
Children's Hospital	3	.05	-	-	-	-
Hospital, Sanitorium, Clinic	14	.24	5,360	.01	-	1
Miscellaneous	4	.07	1,300	-	-	-
Sub-total	41	.69	246,605	.34	-	2
RESIDENTIAL						
Family Residence, Duplex	1,354	22.76	18,425,131	24.96	20	127
Apartment	383	6.44	4,148,760	5.62	2	49
Rooming, Boarding House	25	.42	458,600	.62	5	16
Hotel	34	.57	289,773	.39	-	5
Motor Hotel	-	-	-	-	-	-
Dormitory	5	.08	1,500	-	-	-
Mobile Home	72	1.21	1,252,767	1.70	2	3
Miscellaneous	6	.10	15,666	.02	-	-
Sub-total	1,879	31.58	24,592,197	33.31	29	200
BUSINESS AND PERSONAL SERVICES						
Office	29	.49	1,866,634	2.53	-	1
Personal Service	2	.03	9,130	.01	-	-
Electronic Equipment	-	-	-	-	-	-
Miscellaneous	4	.07	27,739	.04	-	-
Sub-total	35	.59	1,903,503	2.58	-	1

Table No. 7 (continued)
Fire Losses by Major Property Classification, 1990

Property Classification	Incidents	Percent	Amount	Percent	Fatalities	Injuries
MERCANTILE						
Food, Beverage Sale	20	.34%	$ 696,391	.94%	-	-
Textile, Wearing Apparel Sale	4	.07	110,400	.15	-	-
Furniture, Appliance, Hardware Sale	7	.12	1,961,500	2.67	-	2
Books, Newspapers, Drugs, Specialties	6	.10	142,288	.19	-	1
Recreation, Hobby Supplies	4	.07	428,843	.58	-	2
Repair Shop, Laundry, Dry Cleaner	7	.12	124,721	.17	-	-
Motor Vehicle Boat Sales and Service	25	.41	1,803,781	2.44	-	1
Department, Variety Store	9	.15	1,003,630	1.36	-	-
Miscellaneous	2	.03	601,500	.81	-	-
Sub-total	84	1.41	6,873,054	9.31	-	6
INDUSTRIAL MANUFACTURING PROPERTIES						
Chemical, Petroleum, Paints, Plastics	3	.05	52,576	.07	-	-
Wood, Furniture, Paper Printing	23	.39	1,535,338	2.08	-	5
Metal, Metal Products, Electrical Appliances	17	.29	335,655	.45	-	3
Food Processing	12	.20	6,834,531	9.26	-	7
Beverage, Tobacco, Soap, Margarine	1	.02	4,000	.01	-	-
Textiles	-	-	-	-	-	-
Footwear, Wearing Apparel	5	.08	5,500	.01	-	1
Vehicles and Related Equipment	2	.03	45,500	.06	-	-
Miscellaneous	2	.03	-	-	-	1
Sub-total	65	1.09	8,813,100	11.94	-	17
INDUSTRIAL STORAGE PROPERTIES						
Agricultural Products	18	.30	3,301,239	4.48	-	-
Textiles, Fibres, Clothing	1	.02	1,200	-	-	-
Processed Food, Beverages	5	.08	2,756,100	3.73	-	1
Flammable Liquids, Gases, Petroleum Products	4	.07	151,000	.20	-	-
Wood Furniture, Paper and Products	5	.08	737,000	1.00	-	1
Chemical, Plastics, Paints	2	.03	530,000	.72	-	1
Metal Goods, Machinery, Electrical Appliances	4	.07	157,862	.21	-	1
Vehicles	188	3.16	1,817,556	2.46	-	7
Miscellaneous	23	.39	334,541	.45	-	3
Sub-total	250	4.20	9,786,498	13.25	-	14

Table No. 7 (continued)
Fire Losses by Major Property Classification, 1990

Property Classification	Incidents	Percent	Amount	Percent	Fatalities	Injuries
SPECIAL PROPERTY-TRANSPORTATION EQUIPMENT						
Outdoor Property	2,236	37.58%	$ 953,002	1.29%	1	15
Pier, Wharf	1	.02	-	-	-	-
Under Construction/Demolition; Vacant	62	1.04	1,476,505	2.00	-	4
Watercraft	11	.18	65,033	.09	-	1
Rail Transport Vehicle and Equipment	10	.17	111,250	.15	-	-
Ground Transport Vehicle	749	12.59	2,926,795	3.96	2	13
Aircraft	-	-	-	-	-	-
Special Vehicle	101	1.70	685,935	.93	-	-
Miscellaneous	2	.03	8,000	.01	-	-
Sub-total	3,172	53.31	6,226,520	8.43	3	33
MISCELLANEOUS PROPERTIES						
Laboratories	2	.03	200	-	-	-
Farm Facilities	194	3.26	9,625,251	13.04	-	3
Miscellaneous Outbuildings	65	1.09	395,138	.54	-	2
Utility	41	.69	178,363	.24	-	1
Cement, Glass, Pottery Manufacturing	5	.08	720,000	.98	-	1
Mining, Quarrying	1	.02	1,500,000	2.03	-	-
Communications	1	.02	1,500	-	-	-
Nucleonics	1	.02	800	-	-	-
Miscellaneous	6	.10	28,608	.04	-	1
Sub-total	316	5.31	12,449,860	16.87	-	8
Total	5,950	100.00%	$73,819,762	100.00%	32	293

Table No. 8

Breakdown of Area of Origin by Property Classification, 1990

Area of Origin of Fire	Assembly				Institutional			
	No.	Percent	Amount	Percent	No.	Percent	Amount	Percent
Means of Egress	12	11.11%	$ 200,200	6.84%	4	9.76%	$ -	-%
Assembly, Sales Area	8	7.41	696,049	23.77	6	14.63	9,300	3.77
Function Area	41	37.96	752,057	25.68	23	56.09	227,205	92.13
Storage Area	9	8.33	86,395	2.95	-	-	-	-
Service Facilities	1	.93	200	.01	1	2.44	-	-
Service and Equipment Area	4	3.70	10,650	.36	3	7.32	-	-
Structural Area	19	17.59	166,654	5.69	4	9.76	10,100	4.10
Vehicle Area	2	1.85	1,000	.03	-	-	-	-
Outside Area	6	5.56	1,010,070	34.49	-	-	-	-
Undetermined/Unclassified	6	5.56	5,150	.18	-	-	-	-
Total	108	100.00%	$ 2,928,425	100.00%	41	100.00%	$ 246,605	100.00%

Table No. 8(a)

Breakdown of Area of Origin by Property Classification, 1990

Area of Origin of Fire	Residential				Business and Personal Services			
	No.	Percent	Amount	Percent	No.	Percent	Amount	Percent
Means of Egress	90	4.79%	$ 668,526	2.72%	2	5.71%	$ 50	-%
Assembly, Sales Area	252	13.41	3,298,342	13.41	1	2.86	10,000	.53
Function Area	937	49.86	8,009,378	32.57	17	48.57	1,468,978	77.16
Storage Area	117	6.23	3,614,375	14.70	3	8.57	20,500	1.08
Service Facilities	162	8.62	1,124,500	4.57	1	2.86	725	.04
Service and Equipment Area	60	3.19	960,898	3.91	3	8.57	80,050	4.21
Structural Area	129	6.87	1,940,101	7.89	6	17.14	222,700	11.70
Vehicle Area	10	.53	17,150	.07	-	-	-	-
Outside Area	27	1.44	61,418	.25	1	2.86	500	.03
Undetermined/Unclassified	95	5.06	4,897,509	19.91	1	2.86	100,000	5.25
Total	1,879	100.00%	$24,592,197	100.00%	35	100.00%	$ 1,903,503	100.00%

Table No. 8(b)

Breakdown of Area of Origin by Property Classification, 1990

Area of Origin of Fire	Mercantile				Industrial Manufacturing Properties			
	No.	Percent	Amount	Percent	No.	Percent	Amount	Percent
Means of Egress	5	5.95%	$ 138,838	2.02%	1	1.52%	$ 1,000	.01%
Assembly, Sales Area	7	8.33	648,683	9.44	-	-	-	-
Function Area	14	16.67	198,200	2.88	20	30.29	438,831	4.71
Storage Area	18	21.43	2,919,903	42.49	11	16.67	694,510	7.46
Service Facilities	1	1.19	1,000	.01	1	1.52	300	-
Service and Equipment Area	17	20.24	1,216,137	17.70	19	28.78	1,249,745	13.42
Structural Area	14	16.67	887,100	12.91	8	12.12	123,204	1.32
Vehicle Area	1	1.19	80,000	1.16	1	1.52	6,750,000	72.49
Outside Area	2	2.38	3,000	.04	1	1.52	52,576	.56
Undetermined/Unclassified	5	5.95	780,193	11.35	4	6.06	2,934	.03
Total	84	100.00%	$6,873,054	100.00%	66	100.00%	$9,313,100	100.00%

Table No. 8(c)

Breakdown of Area of Origin by Property Classification, 1990

Area of Origin of Fire	Industrial Storage Properties				Special Property - Transportation Equipment			
	No.	Percent	Amount	Percent	No.	Percent	Amount	Percent
Means of Egress	2	.80%	$ 47,965	.52%	7	.22%	$ 40,800	.66%
Assembly, Sales Area	1	.40	21,819	.23	7	.22	130,300	2.09
Function Area	4	1.61	6,631	.07	12	.38	224,497	3.61
Storage Area	164	65.85	3,878,493	41.76	15	.47	31,915	.51
Service Facilities	4	1.61	28,324	.31	1	.03	-	-
Service and Equipment Area	16	6.43	429,070	4.62	2	.06	3,800	.06
Structural Area	19	7.63	2,984,791	32.14	7	.22	129,150	2.07
Vehicle Area	16	6.43	97,370	1.05	839	26.45	3,299,662	53.00
Outside Area	16	6.43	62,115	.67	2,191	69.08	1,548,788	24.87
Undetermined/Unclassified	7	2.81	1,729,920	18.63	91	2.87	817,608	13.13
Total	249	100.00%	$9,286,498	100.00%	3,172	100.00%	$6,226,520	100.00%

Table No. 8(d)

Breakdown of Area of Origin by Property Classification, 1990

Area of Origin of Fire	Miscellaneous Properties No.	Percent	Amount	Percent	Totals of All Property Classifications No.	Percent	Amount	Percent
Means of Egress	-	-%	$ -	-%	123	2.07%	$1,097,379	1.49%
Assembly, Sales Area	7	2.22	50	-	289	4.86	4,814,543	6.52
Function Area	5	1.58	405,227	3.25	1,073	18.03	11,731,004	15.89
Storage Area	103	32.59	8,482,693	68.14	440	7.39	19,728,784	26.72
Service Facilities	1	.32	2,000	.02	173	2.91	1,157,049	1.57
Service and Equipment Area	16	5.06	536,585	4.31	140	2.35	4,486,935	6.08
Structural Area	12	3.80	637,500	5.12	218	3.66	7,101,300	9.62
Vehicle Area	7	2.22	29,080	.23	876	14.72	10,274,262	13.92
Outside Area	150	47.46	2,068,013	16.61	2,394	40.25	4,806,480	6.51
Undetermined/Unclassified	15	4.75	288,712	2.32	224	3.76	8,622,026	11.68
Total	316	100.00%	$12,449,860	100.00%	5,950	100.00%	$73,819,762	100.00%

Table No. 9
Breakdown of Act or Omission by Property Classification, 1990

Act or Omission	Assembly No.	Assembly Percent	Assembly Amount	Assembly Percent	Institutional No.	Institutional Percent	Institutional Amount	Institutional Percent
Incendiary or Set Fire	51	47.23%	$ 967,397	33.03%	10	24.39%	$ 15,000	6.08%
Misuse of Source of Ignition	8	7.41	1,014,953	34.66	8	19.51	42,410	17.20
Misuse of Material Ignited	5	4.63	18,150	.62	-	-	-	-
Mechanical and Electrical Failure, Malfunction	21	19.44	188,485	6.44	9	21.95	154,995	62.85
Construction, Design or Installation Deficiency	-	-	-	-	-	-	-	-
Misuse of Equipment	3	2.78	536,000	18.30	1	2.44	-	-
Human Failing	9	8.33	27,046	.92	9	21.95	24,200	9.81
Vehicle Accident	-	-	-	-	-	-	-	-
Unclassified	2	1.85	37,649	1.29	-	-	-	-
Undetermined/Not Applicable	9	8.33	138,745	4.74	4	9.76	10,000	4.06
Total	108	100.00%	$2,928,425	100.00%	41	100.00%	$ 246,605	100.00%

Table No. 9(a)
Breakdown of Act or Omission by Property Classification, 1990

Act or Omission	Residential No.	Residential Percent	Residential Amount	Residential Percent	Business and Personal Services No.	Business and Personal Services Percent	Business and Personal Services Amount	Business and Personal Services Percent
Incendiary or Set Fire	204	10.86%	$5,640,878	22.93%	12	34.28%	$ 261,384	13.73%
Misuse of Source of Ignition	346	18.41	2,554,098	10.39	8	22.86	3,489	.18
Misuse of Material Ignited	53	2.82	964,700	3.92	-	-	-	-
Mechanical and Electrical Failure, Malfunction	405	21.55	5,025,806	20.44	5	14.29	1,159,500	60.92
Construction, Design or Installation Deficiency	34	1.81	589,430	2.40	-	-	-	-
Misuse of Equipment	29	1.54	306,261	1.25	1	2.86	100,000	5.25
Human Failing	509	27.10	2,769,474	11.26	4	11.43	27,130	1.43
Vehicle Accident	-	-	-	-	-	-	-	-
Unclassified	88	4.68	304,326	1.24	3	8.57	80,000	4.20
Undetermined/Not Applicable	211	11.23	6,437,224	26.17	2	5.71	272,000	14.29
Total	1,879	100.00%	$ 24,592,197	100.00%	35	100.00%	$1,903,503	100.00%

Table No. 9(b)

Breakdown of Act or Omission by Property Classification, 1990

Act of Omission	Mercantile				Industrial Manufacturing Properties			
	No.	Percent	Amount	Percent	No.	Percent	Amount	Percent
Incendiary or Set Fire	27	32.15%	$3,577,989	52.06%	4	6.06%	$ 114,076	1.22%
Misuse of Source of Ignition	9	10.71	147,663	2.15	8	12.12	151,195	1.62
Misuse of Material Ignited	4	4.76	111,303	1.62	7	10.61	43,000	.46
Mechanical and Electrical Failure, Malfunction	13	15.48	277,490	4.04	18	27.27	1,526,345	16.39
Construction, Design or Installation Deficiency	1	1.19	975	.01	4	6.06	6,750,900	72.50
Misuse of Equipment	4	4.76	77,700	1.13	2	3.03	1,000	.01
Human Failing	4	4.76	4,000	.06	3	4.55	-	-
Vehicle Accident	2	2.38	3,000	.04	-	-	-	-
Unclassified	2	2.38	2,103	.03	5	7.58	20,500	.22
Undetermined/Not Applicable	18	21.43	2,670,831	38.86	15	22.72	706,084	7.58
Total	84	100.00%	$6,873,054	100.00%	66	100.00%	$9,313,100	100.00%

Table No. 9(c)

Breakdown of Act or Omission by Property Classification, 1990

Act or Omission	Industrial Storage Properties				Special Property - Transportation Equipment			
	No.	Percent	Amount	Percent	No.	Percent	Amount	Percent
Incendiary or Set Fire	104	41.76%	$3,265,404	35.16%	1,450	45.72%	$1,644,571	26.41%
Misuse of Source of Ignition	11	4.42	222,287	2.39	363	11.44	697,261	11.20
Misuse of Material Ignited	11	4.42	145,354	1.57	28	.88	459,962	7.39
Mechanical and Electrical Failure, Malfunction	43	17.27	2,233,859	24.05	255	8.05	868,129	13.94
Construction, Design or Installation Deficiency	10	4.02	58,922	.63	2	.06	2,300	.04
Misuse of Equipment	1	.40	13,201	.14	3	.09	700	.01
Human Failing	18	7.23	57,190	.62	80	2.52	146,203	2.35
Vehicle Accident	-	-	-	-	16	.50	327,070	5.25
Unclassified	6	2.41	20,596	.22	193	6.08	354,471	5.69
Undetermined/Not Applicable	45	18.07	3,269,685	35.22	782	24.66	1,725,853	27.72
Total	249	100.00%	$9,286,498	100.00%	3,172	100.00%	$6,226,520	100.00%

Table No. 9(d)

Breakdown of Act or Omission by Property Classification, 1990

Act or Omission	Miscellaneous Properties No.	Miscellaneous Properties Percent	Miscellaneous Properties Amount	Miscellaneous Properties Percent	Totals of All - Property Classifications No.	Totals of All - Property Classifications Percent	Totals of All - Property Classifications Amount	Totals of All - Property Classifications Percent
Incendiary or Set Fire	55	17.41%	$2,722,148	21.86%	1,917	32.22%	$18,208,847	24.67%
Misuse of Source of Ignition	34	10.76	272,315	2.19	795	13.36	5,105,671	6.92
Misuse of Material Ignited	10	3.16	129,456	1.04	118	1.98	1,871,925	2.54
Mechanical and Electrical Failure, Malfunction	58	18.35	1,122,396	9.02	827	13.90	12,557,005	17.01
Construction, Design or Installation Deficiency	3	.95	3,500	.03	54	.91	7,406,027	10.03
Misuse of Equipment	1	.32	400,000	3.21	45	.76	1,434,862	1.94
Human Failing	5	1.58	1,275	.01	641	10.77	3,056,518	4.14
Vehicle Accident	-	-	-	-	18	.30	330,070	.45
Unclassified	57	18.04	167,536	1.35	356	5.98	987,181	1.34
Undetermined/Not Applicable	93	29.43	7,631,234	61.29	1,179	19.82	22,861,656	30.96
Total	316	100.00%	$12,449,860	100.00%	5,950	100.00%	$73,819,762	100.00%

Table No. 10

Breakdown of Source of Heat of Ignition by Property Classification, 1990

Source of Heat of Ignition	Assembly				Institutional			
	No.	Percent	Amount	Percent	No.	Percent	Amount	Percent
Electrical Distribution Equipment-Aluminum	-	-%	$ -	-%	1	2.44%	$ 100	.04%
Heating Equipment	3	2.78	2,070	.07	3	7.32	150,000	60.83
Cooking Equipment	21	19.44	666,250	22.75	9	21.95	25,160	10.20
Smoker's Material	4	3.70	2,500	.09	6	14.63	2,410	.98
Electrical Distribution Equipment-Copper	5	4.63	5,115	.17	1	2.44	35	.01
Electrical Appliance and Equipment	2	1.85	50,100	1.71	3	7.32	-	-
Other Appliance and Equipment	1	.93	10,000	.34	4	9.76	5,800	2.35
Open Flame	53	49.07	974,399	33.27	10	24.38	41,100	16.67
Exposure	1	.93	1,000,000	34.15	1	2.44	5,000	2.03
Miscellaneous	5	4.63	57,849	1.98	-	-	-	-
Undetermined/Unclassified	13	12.04	160,142	5.47	3	7.32	17,000	6.89
Total	108	100.00%	$2,928,425	100.00%	41	100.00%	$ 246,605	100.00%

Table No. 10(a)

Breakdown of Source of Heat of Ignition by Property Classification, 1990

Source of Heat of Ignition	Residential				Business and Personal Services			
	No.	Percent	Amount	Percent	No.	Percent	Amount	Percent
Electrical Distribution Equipment-Aluminum	2	.11%	$ 2,200	.01%	-	-%	$ -	-%
Heating Equipment	303	16.13	2,741,362	11.15	3	8.57	180,000	9.46
Cooking Equipment	511	27.19	3,142,503	12.78	3	8.57	2,589	.14
Smoker's Material	205	10.91	1,281,537	5.21	5	14.29	28,169	1.48
Electrical Distribution Equipment-Copper	124	6.60	2,964,271	12.05	2	5.71	1,150,000	60.40
Electrical Appliance and Equipment	71	3.78	467,576	1.90	3	8.57	9,500	.50
Other Appliance and Equipment	91	4.84	425,807	1.73	1	2.86	1,130	.06
Open Flame	299	15.91	3,769,231	15.33	14	40.01	242,115	12.72
Exposure	13	.69	189,762	.77	2	5.71	232,000	12.19
Miscellaneous	59	3.14	2,599,932	10.57	-	-	-	-
Undetermined/Unclassified	201	10.70	7,008,016	28.50	2	5.71	58,000	3.05
Total	1,879	100.00%	$24,592,197	100.00%	35	100.00%	$1,903,503	100.00%

Table No. 10(b)
Breakdown of Source of Heat of Ignition by Property Classification, 1990

Source of Heat of Ignition	Mercantile No.	Percent	Amount	Percent	Industrial Manufacturing Properties No.	Percent	Amount	Percent
Electrical Distribution Equipment-Aluminum	-	-%	$ -	-%	-	-%	$ -	-%
Heating Equipment	7	8.33	16,825	.24	6	9.09	1,255,900	13.49
Cooking Equipment	2	2.38	66,000	.96	5	7.58	12,021	.13
Smoker's Material	3	3.57	10,400	.15	1	1.52	50	-
Electrical Distribution Equipment-Copper	6	7.14	272,240	3.96	2	3.03	12,704	.14
Electrical Appliance and Equipment	4	4.76	4,150	.06	10	15.15	87,110	.94
Other Appliance and Equipment	2	2.38	1,000	.01	3	4.55	20,500	.22
Open Flame	30	35.72	3,533,805	51.42	10	15.15	409,721	4.40
Exposure	7	8.33	292,000	4.25	2	3.03	6,500	.07
Miscellaneous	6	7.14	25,103	.37	16	24.23	6,840,000	73.43
Undetermined/Unclassified	17	20.25	2,651,531	38.58	11	16.67	668,584	7.18
Total	84	100.00%	$6,873,054	100.00%	66	100.00%	$9,313,100	100.00%

Table No. 10(c)
Breakdown of Source of Heat of Ignition by Property Classification, 1990

Source of Heat of Ignition	Industrial Storage Properties No.	Percent	Amount	Percent	Special Property - Transportation Equipment No.	Percent	Amount	Percent
Electrical Distribution Equipment-Aluminum	-	-%	$ -	-%	-	-%	$ -	-%
Heating Equipment	20	8.03	188,446	2.03	12	.38	124,250	2.00
Cooking Equipment	10	4.02	51,371	.55	46	1.45	68,599	1.10
Smoker's Material	2	.80	1,250	.01	36	1.13	15,600	.25
Electrical Distribution Equipment-Copper	23	9.24	206,327	2.22	104	3.28	490,900	7.88
Electrical Appliance and Equipment	6	2.41	110,297	1.19	22	.69	54,862	.88
Other Appliance and Equipment	6	2.41	40,789	.44	88	2.77	133,247	2.14
Open Flame	84	33.73	866,141	9.33	1,761	55.52	1,796,360	28.85
Exposure	16	6.43	44,443	.48	110	3.47	120,056	1.93
Miscellaneous	11	4.42	2,227,590	23.99	207	6.53	453,262	7.28
Undetermined/Unclassified	71	28.51	5,549,844	59.76	786	24.78	2,969,384	47.69
Total	249	100.00%	$9,286,498	100.00%	3,172	100.00%	$6,226,520	100.00%

Table No. 10(d)

Breakdown of Source of Heat of Ignition by Property Classification, 1990

Source of Heat of Ignition	Miscellaneous Property No.	Percent	Amount	Percent	Totals of All - Property Classifications No.	Percent	Amount	Percent
Electrical Distribution Equipment-Aluminum	-	-%	$ -	-%	3	.05%	$ 2,300	-%
Heating Equipment	14	4.43	218,405	1.75	371	6.24	4,877,258	6.61
Cooking Equipment	3	.95	6,000	.05	610	10.25	4,040,503	5.47
Smoker's Material	1	.32	-	-	263	4.42	1,341,916	1.82
Electrical Distribution Equipment-Copper	32	10.13	666,296	5.35	299	5.03	5,767,888	7.81
Electrical Appliance and Equipment	11	3.48	43,660	.35	132	2.22	827,255	1.12
Other Appliance and Equipment	15	4.75	23,950	.19	211	3.55	662,223	.90
Open Flame	75	23.73	801,713	6.44	2,336	39.25	12,434,585	16.84
Exposure	6	1.90	4,800	.04	158	2.66	1,894,561	2.57
Miscellaneous	50	15.82	636,347	5.11	354	5.95	12,840,083	17.39
Undetermined/Unclassified	109	34.49	10,048,689	80.72	1,213	20.38	29,131,190	39.47
Total	316	100.00%	$12,449,860	100.00%	5,950	100.00%	$73,819,762	100.00%

Table No. 11
Breakdown of Fuel or Energy by Property Classification, 1990

Fuel or Energy	Assembly				Institutional			
	No.	Percent	Amount	Percent	No.	Percent	Amount	Percent
Coal, Wood	17	15.74%	$1,076,400	36.76%	3	7.32%	$ 100	.04%
Fuel Oil	-	-	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-	-	-
Natural Gas	5	4.63	1,750	.06	2	4.88	1,800	.73
Propane	2	1.85	1,000	.03	2	4.88	1,000	.41
Smoker's Material	3	2.78	-	-	6	14.63	2,410	.98
Electricity	20	18.52	674,605	23.04	15	36.59	177,745	72.07
Lightning	1	.93	37,649	1.29	-	-	-	-
Unclassified	3	2.78	30,852	1.05	3	7.32	1,550	.63
Undetermined/Not Applicable	57	52.77	1,106,169	37.77	10	24.38	62,000	25.14
Total	108	100.00%	$ 2,928,425	100.00%	41	100.00%	$ 246,605	100.00%

Table No. 11(a)
Breakdown of Fuel or Energy by Property Classification, 1990

Fuel or Energy	Residential				Business and Personal Services			
	No.	Percent	Amount	Percent	No.	Percent	Amount	Percent
Coal, Wood	307	16.34%	$2,528,152	10.28%	4	11.43%	$ 25,500	1.34%
Fuel Oil	18	.96	254,439	1.03	-	-	-	-
Gasoline	2	.11	42,676	.17	-	-	-	-
Natural Gas	18	.96	319,590	1.30	-	-	-	-
Propane	67	3.57	941,664	3.83	2	5.71	180,000	9.46
Smoker's Material	207	11.02	1,295,651	5.27	5	14.29	28,169	1.48
Electricity	640	34.05	6,615,069	26.90	8	22.86	1,163,219	61.11
Lightning	43	2.29	59,953	.24	-	-	-	-
Unclassified	40	2.13	327,802	1.33	-	-	-	-
Undetermined/Not Applicable	537	28.57	12,207,201	49.65	16	45.71	506,615	26.61
Total	1,879	100.00%	$24,592,197	100.00%	35	100.00%	$1,903,503	100.00%

Table No. 11(b)

Breakdown of Fuel or Energy by Property Classification, 1990

Fuel or Energy	Mercantile				Industrial Manufacturing Properties			
	No.	Percent	Amount	Percent	No.	Percent	Amount	Percent
Coal, Wood	7	8.33%	$ 627,855	9.14%	6	9.09%	$ 5,600	.06%
Fuel Oil	1	1.19	1,300	.02	1	1.52	3,000	.03
Gasoline	1	1.19	80,000	1.16	-	-	-	-
Natural Gas	1	1.19	50	-	5	7.58	80,500	.86
Propane	1	1.19	5,263	.08	3	4.55	166,031	1.78
Smoker's Material	3	3.57	10,400	.15	1	1.52	50	-
Electricity	16	19.05	395,540	5.75	15	22.72	1,298,314	13.94
Lightning	2	2.38	2,103	.03	-	-	-	-
Unclassified	2	2.38	11,000	.16	8	12.12	6,902,445	74.13
Undetermined/Not Applicable	50	59.53	5,739,543	83.51	27	40.90	857,160	9.20
Total	84	100.00%	$ 6,873,054	100.00%	66	100.00%	$ 9,313,100	100.00%

Table No. 11(c)

Breakdown of Fuel or Energy by Property Classification, 1990

Fuel or Energy	Industrial Storage Properties				Special Property - Transportation Equipment			
	No.	Percent	Amount	Percent	No.	Percent	Amount	Percent
Coal, Wood	29	11.65%	$ 119,018	1.28%	492	15.51%	$ 481,469	7.73%
Fuel Oil	3	1.20	129,547	1.40	45	1.42	143,254	2.30
Gasoline	10	4.02	388,754	4.19	68	2.14	161,840	2.60
Natural Gas	3	1.20	12,100	.13	4	.13	650	.01
Propane	7	2.81	173,837	1.87	56	1.77	360,749	5.79
Smoker's Material	2	.80	1,250	.01	42	1.32	19,750	.32
Electricity	33	13.25	344,009	3.70	124	3.91	797,472	12.81
Lightning	4	1.61	9,596	.10	6	.19	1,620	.03
Unclassified	6	2.41	68,174	.73	20	.63	41,910	.67
Undetermined/Not Applicable	152	61.05	8,040,213	86.59	2,315	72.98	4,217,806	67.74
Total	249	100.00%	$ 9,286,498	100.00%	3,172	100.00%	$ 6,226,520	100.00%

Table No. 11(d)

Breakdown of Fuel or Energy by Property Classification, 1990

Fuel or Energy	Miscellaneous Properties No.	Percent	Amount	Percent	Totals of All - Property Classifications No.	Percent	Amount	Percent
Coal, Wood	35	11.08%	$ 348,108	2.80%	900	15.13%	$5,212,202	7.06%
Fuel Oil	15	4.75	99,599	.80	83	1.39	631,139	.85
Gasoline	19	6.01	30,650	.25	100	1.68	703,920	.95
Natural Gas	-	-	-	-	38	.64	416,440	.56
Propane	8	2.53	28,845	.23	148	2.49	1,858,389	2.52
Smoker's Material	1	.32	-	-	270	4.54	1,357,680	1.84
Electricity	46	14.56	744,256	5.98	917	15.41	12,210,229	16.54
Lightning	19	6.01	79,241	.64	75	1.26	190,162	.26
Unclassified	4	1.27	4,300	.03	86	1.45	7,388,033	10.01
Undetermined/Not Applicable	169	53.47	11,114,861	89.27	3,333	56.01	43,851,568	59.41
Total	316	100.00%	$12,449,860	100.00%	5,950	100.00%	$73,819,762	100.00%

Table No. 12
Breakdown of Material First Ignited by Property Classification, 1990

Material First Ignited	Assembly				Institutional			
	No.	Percent	Amount	Percent	No.	Percent	Amount	Percent
Structural Components, Finish Materials	10	9.26%	$ 110,263	3.77%	1	2.44%	$ -	-%
Furniture, Furnishings	6	5.56	42,569	1.45	6	14.63	9,660	3.92
Clothing, Textiles	6	5.56	2,175	.07	5	12.20	5,800	2.35
Wood, Paper Products	28	25.92	22,620	.77	11	26.83	1,110	.45
Flammable Liquids	16	14.81	781,648	26.69	6	14.63	25,000	10.14
Flammable Gases	2	1.85	1,700	.06	-	-	-	-
Chemicals	2	1.85	502,733	17.17	-	-	-	-
Agricultural, Forest Products	3	2.78	1,000,000	34.15	1	2.44	40,000	16.22
Miscellaneous	23	21.30	79,370	2.71	8	19.51	150,035	60.84
Undetermined/Unclassified	12	11.11	385,347	13.16	3	7.32	15,000	6.08
Total	108	100.00%	$2,928,425	100.00%	41	100.00%	$246,605	100.00%

Table No. 12(a)
Breakdown of Material First Ignited by Property Classification, 1990

Material First Ignited	Residential				Business and Personal Services			
	No.	Percent	Amount	Percent	No.	Percent	Amount	Percent
Structural Components, Finish Materials	294	15.65%	$ 2,345,984	9.54%	5	14.29%	$ 9,500	.50%
Furniture, Furnishings	317	16.87	3,031,332	12.33	4	11.43	900	.05
Clothing, Textiles	84	4.47	650,025	2.64	2	5.71	200	.01
Wood, Paper Products	135	7.18	632,383	2.57	10	28.57	50,094	2.63
Flammable Liquids	347	18.47	2,825,832	11.49	3	8.57	12,089	.64
Flammable Gases	14	.75	283,120	1.15	1	2.86	1,130	.06
Chemicals	34	1.81	139,037	.57	-	-	-	-
Agricultural, Forest Products	31	1.65	161,629	.66	-	-	-	-
Miscellaneous	348	18.51	6,399,500	26.02	1	2.86	50	-
Undetermined/Unclassified	275	14.64	8,123,355	33.03	9	25.71	1,829,540	96.11
Total	1,879	100.00%	$24,592,197	100.00%	35	100.00%	$ 1,903,503	100.00%

Table No. 12(b)
Breakdown of Material First Ignited by Property Classification, 1990

Material First Ignited	Mercantile No.	Mercantile Percent	Mercantile Amount	Mercantile Percent	Industrial Manufacturing Properties No.	Industrial Manufacturing Properties Percent	Industrial Manufacturing Properties Amount	Industrial Manufacturing Properties Percent
Structural Components, Finish Materials	9	10.71%	$ 370,325	5.39%	12	18.18%	$ 94,304	1.01%
Furniture, Furnishings	4	4.76	504,480	7.34	2	3.03	205,000	2.20
Clothing, Textiles	-	-	-	-	2	3.03	500	.01
Wood, Paper Products	16	19.05	1,447,501	21.06	17	25.75	308,745	3.32
Flammable Liquids	10	11.90	1,297,300	18.88	10	15.15	207,031	2.22
Flammable Gases	1	1.19	21,253	.31	3	4.55	1,050,000	11.27
Chemicals	1	1.19	2,000	.03	-	-	-	-
Agricultural, Forest Products	-	-	-	-	3	4.55	6,756,500	72.55
Miscellaneous	16	19.05	299,043	4.35	8	12.12	32,620	.35
Undetermined/Unclassified	27	32.15	2,931,152	42.64	9	13.64	658,400	7.07
Total	84	100.00%	$ 6,873,054	100.00%	66	100.00%	$ 9,313,100	100.00%

Table No. 12(c)
Breakdown of Material First Ignited by Property Classification, 1990

Material First Ignited	Industrial Storage Properties No.	Industrial Storage Properties Percent	Industrial Storage Properties Amount	Industrial Storage Properties Percent	Special Property - Transportation Equipment No.	Special Property - Transportation Equipment Percent	Special Property - Transportation Equipment Amount	Special Property - Transportation Equipment Percent
Structural Components, Finish Materials	34	13.66%	$ 1,793,986	19.32%	21	.66%	$ 247,759	3.98%
Furniture, Furnishings	7	2.81	2,371	.03	30	.95	206,450	3.32
Clothing, Textiles	1	.40	-	-	19	.60	30,662	.49
Wood, Paper Products	34	13.66	143,031	1.54	113	3.56	197,899	3.18
Flammable Liquids	22	8.84	1,321,278	14.23	94	2.96	923,748	14.84
Flammable Gases	3	1.20	400	-	46	1.45	82,670	1.33
Chemicals	3	1.20	1,000	.01	27	.85	33,288	.53
Agricultural, Forest Products	8	3.21	85,293	.92	977	30.80	782,656	12.57
Miscellaneous	33	13.25	168,299	1.81	1,197	37.74	788,524	12.66
Undetermined/Unclassified	104	41.77	5,770,840	62.14	648	20.43	2,932,864	47.10
Total	249	100.00%	$ 9,286,498	100.00%	3,172	100.00%	$ 6,226,520	100.00%

Table No. 12(d)
Breakdown of Material First Ignited by Property Classification, 1990

Material First Ignited	Miscellaneous Properties No.	Percent	Amount	Percent	Totals of All Property Classifications No.	Percent	Amount	Percent
Structural Components, Finish Materials	16	5.06%	$ 82,900	.67%	402	6.76%	$ 5,055,021	6.85%
Furniture, Furnishings	-	-	-	-	376	6.32	4,002,762	5.42
Clothing, Textiles	1	.32	-	-	120	2.02	689,362	.93
Wood, Paper Products	24	7.59	213,283	1.71	388	6.52	3,016,666	4.09
Flammable Liquids	7	2.22	76,350	.61	515	8.66	7,470,276	10.12
Flammable Gases	5	1.58	11,576	.09	75	1.26	1,451,849	1.97
Chemicals	-	-	-	-	67	1.13	678,058	.92
Agricultural, Forest Products	112	35.45	852,542	6.85	1,135	19.08	9,678,620	13.11
Miscellaneous	45	14.24	95,900	.77	1,679	28.21	8,013,341	10.86
Undetermined/Unclassified	106	33.54	11,117,309	89.30	1,193	20.04	33,763,807	45.73
Total	316	100.00%	$12,449,860	100.00%	5,950	100.00%	$73,819,762	100.00%

Table No. 13

Breakdown of Fires by Community or Area, 1990

Municipal Code	Location	Incidents	Amount	Fatalities	Injuries
001	R.M. of Albert	2	$ 1,000	-	-
002	Town of Altona	9	100,626	-	2
003	Village of Arborg	7	36,205	-	-
004	R.M. of Archie	3	8,442	-	-
005	R.M. of Argyle	11	9,751	-	-
006	R.M. of Arthur	3	88,000	-	4
010	Town of Beausejour	3	6,635	-	-
011	Village of Benito	1	-	-	1
012	R.M. of Bifrost	23	34,410	-	-
014	R.M. of Birtle	11	10,061	-	-
015	Town of Birtle	5	7,294	-	-
017	Town of Boissevain	1	3,000	-	-
018	R.M. of Boulton	1	-	-	-
019	Village of Bowsman	1	400	-	-
020	City of Brandon	204	1,289,376	-	8
021	R.M. of Brenda	5	125,300	-	-
022	R.M. of Brokenhead	19	141,039	-	3
026	R.M. of Cameron	1	70,000	-	-
027	Town of Carberry	2	1,799	-	-
028	Town of Carman	4	3,500	-	-
029	R.M. of Cartier	28	680,109	-	1
032	R.M. of Clanwilliam	4	600	-	-
033	R.M. of Coldwell	11	27,602	-	-
034	R.M. of Cornwallis	10	13,139	-	-
035	Village of Crystal City	2	51,000	-	-
038	R.M. of Daly	2	2,130,000	-	-
039	R.M. of Dauphin	23	288,068	-	-
040	Town of Dauphin	23	21,150	-	-
041	Town of Deloraine	1	500	-	-
042	R.M. of DeSalaberry	6	338,954	-	-
043	R.M. of Dufferin	6	246,262	-	-
044	Village of Dunnottar	2	102,706	-	-
048	R.M. of East St. Paul	43	529,317	-	3
049	R.M. of Edward	3	13,007	-	-
050	Village of Elkhorn	3	-	-	-
051	R.M. of Ellice	1	-	1	-
052	R.M. of Elton	10	127,900	4	2
053	Town of Emerson	2	5,775	-	-
055	R.M. of Eriksdale	1	30,000	-	-
056	R.M. of Ethelbert	8	14,000	-	-
058	Village of Elm Creek	1	2,000	-	-
060	City of Flin Flon	37	178,496	-	-
063	R.M. of Franklin	96	290,868	-	-
066	Village of Garson	1	10,000	-	-
067	R.M. of Gilbert Plains	9	311,654	-	-

Table No. 13 (continued)
Breakdown of Fires by Community or Area, 1990

Municipal Code	Location	Incidents	Amount	Fatalities	Injuries
068	Village of Gilbert Plains	4	$ 13,500	-	-
069	R.M. of Gimli	9	109,273	-	1
070	Town of Gimli	4	12,443	-	-
071	Town of Gladstone	4	566,550	-	-
072	Village of Glenboro	3	6,290	-	-
073	R.M. of Glenella	5	165,085	-	-
074	R.M. of Glenwood	4	17,045	-	-
075	R.M. of Grandview	6	33,500	-	-
076	Town of Grandview	1	400	-	-
077	Village of Grand Marais	3	57,000	-	-
078	Village of Gretna	1	300	-	-
079	R.M. of Grey	18	597,536	-	-
081	Village of Haywood	1	71,400	-	-
082	R.M. of Hamiota	4	15,041	-	-
084	R.M. of Hanover	82	1,889,768	1	3
085	R.M. of Harrison	1	6,000	-	-
087	R.M. of Hillsburg	1	324	-	-
090	Town of Killarney	8	10,704	-	-
093	R.M. of La Broquerie	10	333,799	-	-
094	R.M. of Lac du Bonnet	23	296,162	-	1
095	Village of Lac du Bonnet	4	12,500	-	-
096	R.M. of Lakeview	1	-	-	-
097	R.M. of Langford	7	1,122	-	-
098	R.M. of Lansdowne	4	41,000	-	-
099	R.M. of Lawrence	7	20	-	-
100	R.M. of Lorne	14	214,249	-	-
101	R.M. of Louise	3	58,000	-	-
102	Village of Lowe Farm	3	700	-	-
103	Village of Letellier	1	1,500	-	-
104	R.M. of MacDonald	41	660,796	2	-
105	Village of MacGregor	3	1,411	-	-
106	Village of Manitou	2	89,500	1	-
107	R.M. of McCreary	2	6,000	-	-
111	Town of Melita	2	2,642	-	-
112	R.M. of Miniota	5	-	-	-
113	R.M. of Minitonas	6	465	-	1
114	Village of Minitonas	3	4,500	-	-
115	Town of Minnedosa	7	18,674	-	-
116	R.M. of Minto	3	130,000	-	-
117	R.M. of Montcalm	6	57,290	-	-
118	Town of Morden	13	22,162	-	1
119	R.M. of Morris	17	220,104	-	-
120	Town of Morris	9	6,300	-	-
121	R.M. of Morton	1	3,500	-	-
122	R.M. of Mossey River	3	1,500	-	-

Table No. 13 (continued)
Breakdown of Fires by Community or Area, 1990

Municipal Code	Location	Incidents	Amount	Fatalities	Injuries
123	Village of Newdale	3	$ 251,000	-	-
125	Town of Neepawa	7	92,300	-	-
126	Village of Niverville	10	1,474,465	-	3
127	R.M. of North Cypress	8	1,607,720	-	-
129	R.M. of North Norfolk	22	2,302,654	-	-
133	Town of Oak Lake	2	51,356	-	-
134	R.M. of Oakland	6	33,726	-	-
135	R.M. of Ochre River	10	3,000	-	1
136	R.M. of Odanah	1	200	-	-
140	R.M. of Pembina	12	69,485	-	-
141	Village of Pilot Mound	1	2,935	-	-
142	R.M. of Pipestone	16	57,850	-	-
144	R.M. of Portage la Prairie	20	773,432	1	1
145	City of Portage la Prairie	25	2,079,314	-	1
150	R.M. of Rhineland	26	330,890	-	-
151	R.M. of Ritchot	10	24,217	1	-
152	Town of Rivers	1	35,000	-	-
153	R.M. of Riverside	6	59,244	-	-
155	R.M. of Roblin	7	8,680	-	-
156	Town of Roblin	1	20,000	-	-
157	R.M. of Rockwood	43	278,995	-	1
158	R.M. of Roland	6	153,600	-	-
159	R.M. of Rosedale	8	6,429	-	-
160	R.M. of Rossburn	1	30,000	-	-
162	R.M. of Rosser	16	331,233	-	-
163	R.M. of Russell	1	-	-	-
164	Town of Russell	4	57,000	-	-
165	Village of Richer	2	61,702	-	-
167	R.M. of St. Andrews	18	1,434,257	-	-
168	R.M. of Ste. Anne	16	718,217	-	-
170	Village of Swan Lake	4	30,002	-	-
171	Village of St. Claude	2	3,000	-	-
172	R.M. of St. Clements	15	755,145	-	-
173	R.M. of St. Francois Xavier	3	62,840	-	-
174	Village of St. Malo	4	8,059	-	-
178	R.M. of Ste. Rose	13	85,350	-	-
179	Village of Ste. Rose du Lac	6	602,800	-	-
180	Village of Sprague	2	370,503	-	-
181	Village of Sandy Lake	1	775	-	-
182	R.M. of Saskatchewan	2	1,852	-	-
183	Town of Selkirk	10	39,635	-	-
184	R.M. of Shellmouth	6	4,048	-	-
185	R.M. of Shell River	10	29,000	-	-
186	R.M. of Shoal Lake	2	3,023	-	-
187	Village of Shoal Lake	1	800	-	-

Table No. 13 (continued)
Breakdown of Fires by Community or Area, 1990

Municipal Code	Location	Incidents	Amount	Fatalities	Injuries
188	R.M. of Sifton	8	$ 200	-	-
189	R.M. of Siglunes	6	231,475	1	1
190	R.M. of Silver Creek	1	6,000	-	1
192	Town of Souris	4	33,764	-	-
193	R.M. of South Cypress	16	7,033	-	-
194	R.M. of South Norfolk	7	378,700	-	1
195	R.M. of Springfield	130	771,836	1	2
196	R.M. of Stanley	27	389,454	-	-
197	Town of Steinbach	24	72,570	2	2
198	Town of Stonewall	7	3,503	-	-
199	R.M. of Strathclair	1	20,000	-	-
200	R.M. of Strathcona	5	-	-	-
201	R.M. of Swan River	9	131,900	-	-
202	Town of Swan River	13	906,278	-	-
203	Village of Stony Mountain	2	11,719	-	1
205	R.M. of Tache	31	546,224	-	-
207	Town of The Pas	37	1,141,356	-	2
208	R.M. of Thompson	1	20,000	-	-
209	City of Thompson	134	408,280	1	-
211	Village of Treherne	1	25,000	-	-
212	R.M. of Turtle Mountain	15	78,750	-	-
216	R.M. of Victoria	2	13,702	-	-
217	R.M. of Victoria Beach	5	84,500	-	-
218	Town of Virden	6	6,100	-	-
221	R.M. of Wallace	23	130,966	-	-
223	Village of Wawanesa	1	115	-	-
224	R.M. of Westbourne	18	132,642	-	-
226	R.M. of West St. Paul	30	1,379,800	-	-
227	R.M. of Whitehead	7	395,500	-	-
228	R.M. of Whitemouth	22	120,338	-	-
229	R.M. of Whitewater	1	60,000	-	-
230	R.M. of Winchester	2	242,675	-	-
231	Town of Winkler	10	18,531	-	-
232	City of Winnipeg	3,517	30,528,572	9	225
233	Town of Winnipeg Beach	6	31,634	-	-
234	Village of Winnipegosis	4	6,699	-	-
235	R.M. of Woodlands	12	296,805	-	-
236	R.M. of Woodworth	7	55,000	-	-
238	L.G.D. of Alexander	42	387,621	-	1
240	L.G.D. of Alonsa	12	48,100	-	-
242	L.G.D. of Armstrong	6	162,934	-	-
244	L.G.D. of Churchill	2	515,000	-	-
246	L.G.D. of Consol	5	77,576	-	1
248	L.G.D. of Fisher	24	29,480	-	-
250	L.G.D. of Gillam	10	57,820	-	1
252	L.G.D. of Grahamdale	17	75,317	-	-

Table No. 13 (continued)
Breakdown of Fires by Community or Area, 1990

Municipal Code	Location	Incidents	Amount	Fatalities	Injuries
255	Bissett	2	$ 37,883	-	-
256	Town of Leaf Rapids	8	1,569,200	-	1
258	L.G.D. of Lynn Lake	6	64,634	-	1
260	L.G.D. of Mountain	12	231,400	-	-
262	L.G.D. of Mystery Lake	2	27,075	-	-
264	L.G.D. of Park	5	137,155	-	-
265	Meadow Portage	1	20,600	-	-
266	L.G.D. of Pinawa	11	24,453	-	-
267	Fisher Bay	1	10,000	-	-
268	L.G.D. of Piney	16	252,150	-	-
269	Dallas/Red Rose	3	18,500	-	-
270	L.G.D. of Reynolds	13	97,588	1	-
271	Cross Lake	9	100	-	-
272	Town of Snow Lake	7	29,107	-	-
273	Dakota Ojibway Tribal Council	21	364,215	-	1
274	L.G.D. of Stuartburn	6	46,992	-	-
275	Berens River	2	109,000	-	2
277	Waterhen	2	1,900	-	-
278	Cranberry Portage	3	25,737	-	-
279	Thicket Portage	1	2,000	-	-
282	Crane River	1	25,000	-	-
291	Duck Bay	1	71,000	2	1
292	National Mills	3	106,200	-	1
294	Camperville	2	9,000	-	-
295	Manigotagan	1	11,871	-	-
296	Moose Lake	1	-	-	-
297	Norway House	1	435	-	-
298	South Indian Lake	1	35,000	-	-
299	Wabowden	9	78,921	-	-
300	Miscellaneous	22	282,309	-	-
315	West Region Tribal Council	6	216,132	-	-
316	Interlake Reserves Tribal Council	13	219,715	-	2
317	South East Resources Tribal Council	10	318,086	-	1
318	Island Lake Tribal Council	4	310,871	1	1
319	Keewatin Tribal Council	5	1,118,000	-	-
320	Miscellaneous Reserves	47	252,750	-	1
321	Swampy Cree Tribal Council	24	201,581	3	5
Total		5,950	$73,819,762	32	293

Table No. 14

Fire Losses Exceeding $500,000., 1990

Date	Location	Occupancy	Cause	Amount
90 01 01	Shamattawa Indian Reserve	Mercantile	Undetermined - Accidental	$ 750,000*
9 0 01 10	Winnipeg	Apartment	Undetermined - Suspicious	2,000,000*
90 02 15	R.M. of Daly	Barn	Undetermined - Accidental	2,130,000*
90 03 13	Ste. Rose du Lac	Lumber Yard	Incendiary	600,000*
90 03 16	Winnipeg	Dwelling	Incendiary	1,020,000*
90 03 29	Portage la Prairie	Industrial Storage	Undetermined - Suspicious	1,750,000*
90 04 13	Niverville	Mercantile	Incendiary	1,200,000*
90 04 19	R.M. of North Cypress	Grain Elevator	Accidental	1,556,720
90 04 22	R.M. of St. Andrews	Curling Rink	Accidental	1,000,000*
90 04 26	Brandon	Mercantile	Incendiary	500,000*
90 05 08	R.M. of St. Clements	Restaurant	Accidental	525,000*
90 05 10	Winnipeg	Flour Mill	Accidental	6,750,000*
90 05 14	Swan River	Mercantile	Incendiary	600,000*
90 05 17	R.M. of West St. Paul	Grain Elevator	Undetermined - Accidental	1,270,000*
90 06 18	Winnipeg	Industrial Storage	Undetermined - Accidental	1,000,000*
90 06 24	R.M. of North Norfolk	Barn	Undetermined - Suspicious	2,000,000*
90 08 29	Winnipeg	Office Complex	Accidental	800,000*
90 09 01	Winnipeg	Mercantile	Incendiary	500,000*
90 09 29	Winnipeg	Building Under Renovation	Undetermined - Suspicious	500,000*
90 10 06	Leaf Rapids	Mining Operations	Undetermined - Accidental	1,500,000*
90 10 10	Gladstone	Mercantile with Chemical Storage	Undetermined - Accidental	500,000*
90 10 30	Churchill	Mercantile	Undetermined - Accidental	500,000*
90 11 08	Winnipeg	School	Incendiary	500,000*
90 11 26	The Pas	Industrial Manufacturing	Accidental	1,000,000*

* Estimated Loss

Table No. 15
Home Fire Losses, 1990

Property Classification	Incidents	Amount	Fatalities	Injuries
One and Two Family Dwellings	1,354	$18,425,131	20	127
Apartments	383	4,148,760	2	49
Mobile Home	52	1,123,512	2	3
Rooming/Boarding Houses	25	458,600	5	16
Total	1,814	$24,156,003	29	195

Table No. 16
Home Fire Losses by Area of Origin, 1990

Area	Incidents	Percent	Amount	Percent	Fatalities	Injuries
Kitchen	584	32.18%	$ 3,785,790	15.67%	13	58
Living Room	243	13.40	3,236,328	13.40	5	27
Bedroom	198	10.92	3,456,090	14.31	4	48
Chimney	154	8.49	1,036,957	4.29	-	3
Structural Area	120	6.62	1,720,701	7.12	-	15
Means of Egress	86	4.74	666,626	2.76	1	6
Laundry	80	4.41	519,377	2.15	-	3
Undetermined	87	4.80	4,850,054	20.07	5	5
Miscellaneous	262	14.44	4,884,080	20.23	1	30
Total	1,814	100.00%	$24,156,003	100.00%	29	195

Table No. 17
Home Fire Losses by Act or Omission, 1990

Act or Omission	Incidents	Percent	Amount	Percent	Fatalities	Injuries
Careless Cooking	390	21.50%	$ 2,091,484	8.65%	-	37
Mechanical, Electrical Failure Malfunction	300	16.54	4,418,608	18.29	4	29
Arson or Set Fire	188	10.36	5,567,908	23.05	3	20
Careless Smoking	183	10.09	1,095,727	4.54	1	30
Human Failing	114	6.28	677,840	2.81	5	17
Lack of Maintenance	92	5.07	335,255	1.39	-	4
Children Playing with Fire	83	4.58	1,103,654	4.57	3	15
Miscellaneous	264	14.55	2,493,644	10.32	-	17
Undetermined	200	11.03	6,371,883	26.38	13	26
Total	1,814	100.00%	$24,156,003	100.00%	29	195

Table No. 18
Home Fires by Source of Ignition, 1990

Source of Ignition	Incidents	Percent	Amount	Percent	Fatalities	Injuries
Cooking Equipment	504	27.79%	$ 3,138,753	12.99%	4	48
Heating Equipment	299	16.49	2,707,862	11.21	2	23
Open Flames	283	15.60	3,736,461	15.47	3	29
Smokers Materials	192	10.58	1,271,502	5.26	4	36
Appliances and Equipment	160	8.82	788,640	3.27	-	8
Electrical Distribution Equipment	121	6.67	2,818,271	11.67	4	20
Miscellaneous	67	3.69	2,742,039	11.35	-	1
Undetermined	188	10.36	6,952,475	28.78	12	30
Total	1,814	100.00%	$24,156,003	100.00%	29	195

Section II - Investigations

Table No. 19
Investigations Conducted Under
The Fires Prevention Act, 1989 - 1990

Agency	1989	1990
Fire Commissioner's Staff[1]	389	321
Winnipeg Police Force	172	236
Urban Police Forces	49	20
R.C.M.P.	298	273
Total	908	850

[1]In co-operation with local police

Table No. 20
Conclusions of Investigations Conducted Under
The Fires Prevention Act, 1989 - 1990

Cause	1989	1990
Accidental	440	378
Incendiary, Vandalism	212	203
Undetermined - Accidental	212	184
- Suspicious	40	83
Still Under Investigation	4	2
Total	908	850

Section III - Mutual Aid

Mutual Aid Co-Ordinators

District	Co-Ordinator	Fire Department
Antler River	Ron Walker	Boissevain
Boyne River	Alvin Murner	R.M. of MacDonald
Eastman	Ert Peters	Steinbach
Grand Valley	Ed Polnick	Brandon
Lake Winnipegosis	Corney Bergen	Winnipegosis
Neepawa & District	Lionel Dagg	Neepawa
North East	Alvin Klapprat	Beausejour
North Interlake	Ray Sisk	Gimli
Oak Lake	Bill Busby	Reston
Pembina Triangle	Norbert Sabourin	St. Jean Baptiste
Pembina Valley	Peter Sheffield	R.M. of Lorne
Riding Mountain	Dave Seeley	Dauphin
South Central	Chris Wells	Rapid City
South Interlake	Jack Hagen	R.M. of St. Andrews
Swan River Valley	Lorne Halliday	Swan River
Turtle Mountain	C.E. Hartwell	Killarney
West Central	Graydon Bell	Shoal Lake

Table No. 21

Mutual Aid Responses,
1989 - 1990

	Type of Incident 1989		Type of Incident 1990	
District	Fire	Other	Fire	Other
Antler River	1	-	-	-
Boyne River	1	-	5	-
Eastman	-	-	3	-
Grand Valley	1	-	2	-
Lake Winnipegosis	-	-	1	-
Neepawa and District	-	-	1	-
North East	-	-	-	-
North Interlake	-	-	2	-
Oak Lake	6	-	4	1
Pembina Triangle	1	-	-	-
Pembina Valley	-	-	2	-
Riding Mountain	-	-	-	-
South Central	2	-	-	-
South Interlake	2	-	7	-
Swan River Valley	1	-	2	-
Turtle Mountain	3	-	3	-
West Central	-	-	-	-
Total	18	-	32	1

Table No. 22
Mutual Aid Incentives,
April 1989 - March 1991

	Training Graduates		Training Tapes[1]		Radio/ Fax		Air Compressor	
District	89/90	90/91	89/90	90/91	89/90	90/91	89/90	90/91
Antler River	23	10	Level I	Level II	-	-	-	-
Boyne River	-	40	-	Level I	Radio	-	-	-
Eastman	-	-	-	-	-	Fax	-	-
Grand Valley	-	43	-	-	-	-	-	New
Lake Winnipegosis	-	32	-	Level I	-	Radio	-	-
Neepawa & District	-	-	-	-	-	-	Refurbished	-
North East	-	40	-	Level I	-	Radio	-	Refurbished
North Interlake	-	25	-	-	-	Radio	-	-
Oak Lake	41	4	Level I	Level II	-	-	-	-
Pembina Triangle	-	-	-	-	-	-	New	-
Pembina Valley	-	-	-	-	-	-	-	-
Riding Mountain	-	40	-	Level I	-	Fax	New	-
South Central	-	-	-	-	-	-	-	-
South Interlake	-	-	-	-	-	-	-	New
Swan River Valley	-	57	-	Level I	-	-	-	-
Turtle Mountain	-	-	-	-	-	-	-	Refurbished
West Central	-	-	-	-	-	-	-	-

[1] Fire Fighting Practices Level I & II Training Tapes

Section IV - Manitoba Fire Chiefs

Fire Chiefs and Fire Departments

Alexander	W.J. Dane	Dallas/Red Rose	Ralph Oleski
Alonsa	Stan Fashoway	Darlingford	Bob Davidson
Altona	Bob Stoesz	Dauphin	Dave Seeley
Amaranth	Joseph Smith	Dauphin River	Kris Einarsson
Angusville	Lynn Chuchmuch	Dawson Bay	Darlene Parker
Arborg-Bifrost	George Chyzy	Deloraine	William Cheyne
Arden	Dennis Gagnon	Dominion City	Barry Gushuliak
Ashern	Matt Baker	Duck Bay	Fred Sanderson
Austin	Donald Currie	Dunrea	Yves Descottes
Baldur-Argyle	Tim Reykdal	East St. Paul	Joseph Yashuk
Barrows	Leon Genaille	East Selkirk	Clive Rennie
Beausejour	Alvin Klapprat	Easterville	Garfield McKay
Belmont	Barry Campbell	Eddystone	Colin Mailman
Benito	Ken Schenk	Elm Creek	Kermit Olson
Berens River	Rolly Dubien	Emerson	Stan Machdanz
Big Black River	Raymond Valiquette	Erickson	Vaughan Ullberg
Binscarth	Victor Cozens	Eriksdale	Harry Granburg
Birch River	Floyd Corbett	Ethelbert	Frank Zaryski
Birtle	Gerald Birch		
Bissett	David Busch		
Boissevain	Eric Reichart	Fisher Bay	Marcel Lywak
Bowsman	Ken Fahrenschon	Fisher Branch	John Plett
Brandon	Ed Polnick	Flin Flon	Gord Donaghy
Brochet	Adolph Cook	Fork River	Bob Sime
		Foxwarren	Don Hodgson
		Fraserwood	Steve Maksymyk
Camperville	Arnold Guiboche		
Carberry-			
N. Cypress	R. Alvin Walker	Gilbert Plains	Len Pratt
Cardale	Vernon Darroch	Gillam	Glen King
Carman-Dufferin	Brian Milne	Gimli	Ray Sisk
Cartier, R.M.	Roger Gillis	Gladstone	Richard Foxon
Cartwright-Roblin	Wm. G. Waldie	Glenboro	Steve Bjornson
Churchill	Dick Hunter	Glenella	Fred Lazor
Cormorant	W. D. Ducharme	Gods Lake Narrows	Leslie Whiteway
Cranberry Portage	Daryl Murray	Grand Marais	Art Carriere
Crane River	Kenneth Dumas	Grand Rapids	Greg King
Cross Lake	Darlene Beck	Grandview	Vernon Molberg
Crystal City	William McKitrick	Granville Lake	Vern Schroeder
Cypress River	Rene D. Aubry		

Fire Chiefs and Fire Departments (continued)

Gretna	Vern Schroeder	Meadow Portage	Harold Benson
Grunthal	Abe Friesen	Melita	Robert Reddaway
Gypsumville	Murray L. Jackson	Miami	Larry Mansell
		Miniota	Bruce Mitchell
Hamiota	Ed Beamish	Minitonas	Douglas E. Wagner
Hartney	R.A. McKenzie	Minnedosa	Bill McVey
Harwill	Lorne Webb	Moose Lake	Steve Campbell
Haywood	Gilbert Pineau	Moosehorn	Richard Shannon
Herb Lake Landing	Jim Corman	Morden	Merv Hagyard
Holland	Ron Landerville	Morris	Bill Harder
Homebrook	Ruth Zahorodney		
		National Mills	Wilfred Quill
Ilford	Jack Bland	Neepawa	Lionel Dagg
Inglis	Gerald Gorda	Nelson House	Wayne Spence
Inwood	Ralph Hazelton	Newdale	Don Baker
Island Lake	Len Chotnaby	Ninette	Bob Mason
		Niverville	George Dyck
Kelwood	Russell Newton	Norway House	Pat Bayer
Kenton	Ivan Crampain	Notre Dame de Lourdes	Gilbert Bazin
Killarney	C.E. Hartwell		
Kleefeld	Abe Martens	Oak Lake	Reg Morcombe
		Oak River	Vernon Darroch
La Broquerie	Gilbert Tetrault	Oakbank	John Murrell
Lac du Bonnet	Lloyd Howe	Oakburn	Graydon Bell
Leaf Rapids	Edward Kozy	Ochre River	Albert Lamy
Letellier - St. Joseph	Marcel Bissonnette	Onanole & District	Dwight McMillan
Lorette	Marcel Johnson		
Lorne, R.M.	Peter Sheffield	Pelican Rapids	Albert Campeau
Lowe Farm	Larry Gluck	Pierson	Harvey Campbell
Lundar	Scott Ward	Pikwitonei	Tom Page
Lynn Lake	Wayne Doak	Pilot Mound	K.L. Heppner
		Pinawa	N. Peter Cliche
MacDonald, R.M.	Alvin Murner	Pine Falls	Wilfred Kemball
MacGregor	Gene Hyde	Pine River	Claude Adams
Mafeking	Melvin Plett	Piney	Dale Edbom
Manigotagan	Calvin Boulette	Plumas	Lloyd Hall
Manitou	Frank Gerbrandt	Plum Coulee	Dennis Wiebe
Matheson Island	Robert Whiteway	Pointe du Bois	Gordon Johnson
McAuley	Glendon K. Patterson	Portage la Prairie	Wayne Christie
McCreary	William Roncin		

Fire Chiefs and Fire Departments (continued)

Rapid City	Chris Wells	South Indian Lake	Steve Ducharme
Red Deer Lake	Faron Cook	South Norfolk, R.M.	Roland Gaultier
Reston	William Busby	Sperling	Wendell J. Fewster
Richer	Paul Saindon	Sprague	Don Jernberg
Rivers	Irwin Walker	Steinbach	Ert Peters
Riverton	Raymond Johnson	Stonewall-Rockwood	Dennis Fright
Roblin	Tom Bowley	Stony Mountain-Rockwood	Ron Lucas
Roland	Greg VanWyck	Strathclair	Brian Martin
Rorketon	Curtis Honish	Swan River	Lorne Halliday
Rosedale, R.M.	Harry Smithson	Teulon-Rockwood	Jack Palen
Rosenort	Frank Plett	The Pas	Ron Bourquin
Rossburn	Larry Sidoryk	Thicket Portage	Alvin Brightnose
Rosser	Howard Manchulenko	Thompson	L. Carkener
Russell	Henry Smith	Treherne	John Jenkinson
St. Adolphe	Vic Braun	Victoria Beach	Lorne Anderson
St. Andrews, R.M.	Edwin Carter	Vita	Jerry Lubiansky
St. Claude	Gilbert Pineau	Wabowden	Mel Johnson
St. Francois Xavier	George Dayton	Wallace and District	Bill Edmonds
St. Jean Baptiste	Norbert Sabourin	Warren-Woodlands	Al Jones
St. Laurent	Ed Schon	Wasagaming	Pat Rousseau
St. Lazare	Harry Jessop	Waskada	Kenneth L. Austin
St. Malo	Robert Lambert	Waterhen	Allan McCreery
St. Pierre-Jolys	R. Hebert	Wawanesa	Mel Roney
Ste. Anne	Maurice Chaput	West St. Paul	Noel Cheguis
Ste. Rose du Lac	Alphonse Labelle	Whitemouth, R.M.	Paul Thomson
Sandy Lake	Les Lewandoski	Whitewater, R.M.	Grant Maguire
Selkirk	Ted Wozny	Winkler	Abe H. Suderman
Seymourville	Hugh Seymour	Winnipeg	Jack Henderson
Sherridon	Debbie Hatch	Winnipeg Beach	Jerry Hykawy
Shoal Lake	Graydon Bell	Winnipegosis	C. Bergen
Sifton	Archie Boguski		
Snow Flake	Ken Lyne		
Snow Lake	David Roberts		
Somerset	Norman Rheault		
Souris	Donald Doherty		